

Virginie Petrilli

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

11,545
citations

25
h-index

40
g-index

40
ext. papers

12,782
ext. citations

11.9
avg, IF

5.9
L-index

#	Paper	IF	Citations
35	Gout-associated uric acid crystals activate the NALP3 inflammasome. <i>Nature</i> , 2006 , 440, 237-41	50.4	3624
34	Innate immune activation through Nalp3 inflammasome sensing of asbestos and silica. <i>Science</i> , 2008 , 320, 674-7	33.3	1976
33	Activation of the NALP3 inflammasome is triggered by low intracellular potassium concentration. <i>Cell Death and Differentiation</i> , 2007 , 14, 1583-9	12.7	1041
32	The inflammasome recognizes cytosolic microbial and host DNA and triggers an innate immune response. <i>Nature</i> , 2008 , 452, 103-7	50.4	746
31	The inflammasome: a danger sensing complex triggering innate immunity. <i>Current Opinion in Immunology</i> , 2007 , 19, 615-22	7.8	565
30	Cutting edge: alum adjuvant stimulates inflammatory dendritic cells through activation of the NALP3 inflammasome. <i>Journal of Immunology</i> , 2008 , 181, 3755-9	5.3	481
29	Uptake of particulate vaccine adjuvants by dendritic cells activates the NALP3 inflammasome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 870-5	11.5	437
28	Uric acid is a danger signal activating NALP3 inflammasome in lung injury inflammation and fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009 , 179, 903-13	10.2	317
27	A crucial function of SGT1 and HSP90 in inflammasome activity links mammalian and plant innate immune responses. <i>Nature Immunology</i> , 2007 , 8, 497-503	19.1	316
26	Activation of the IL-1beta-processing inflammasome is involved in contact hypersensitivity. <i>Journal of Investigative Dermatology</i> , 2007 , 127, 1956-63	4.3	312
25	Pneumolysin activates the NLRP3 inflammasome and promotes proinflammatory cytokines independently of TLR4. <i>PLoS Pathogens</i> , 2010 , 6, e1001191	7.6	266
24	Innate immune sensing of modified vaccinia virus Ankara (MVA) is mediated by TLR2-TLR6, MDA-5 and the NALP3 inflammasome. <i>PLoS Pathogens</i> , 2009 , 5, e1000480	7.6	250
23	NALP inflammasomes: a central role in innate immunity. <i>Seminars in Immunopathology</i> , 2007 , 29, 213-29	12	161
22	Depletion of the 110-kilodalton isoform of poly(ADP-ribose) glycohydrolase increases sensitivity to genotoxic and endotoxic stress in mice. <i>Molecular and Cellular Biology</i> , 2004 , 24, 7163-78	4.8	146
21	The inflammasome. <i>Current Biology</i> , 2005 , 15, R581	6.3	122
20	p58(IPK)-mediated attenuation of the proapoptotic PERK-CHOP pathway allows malignant progression upon low glucose. <i>Molecular Cell</i> , 2013 , 49, 1049-59	17.6	114
19	Inflammasome-activated caspase 7 cleaves PARP1 to enhance the expression of a subset of NF-B target genes. <i>Molecular Cell</i> , 2012 , 46, 200-11	17.6	99

18	Noncleavable poly(ADP-ribose) polymerase-1 regulates the inflammation response in mice. <i>Journal of Clinical Investigation</i> , 2004 , 114, 1072-1081	15.9	82
17	Caspase-1 autoproteolysis is differentially required for NLRP1b and NLRP3 inflammasome function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 17254-9	11.5	80
16	The role of potassium in inflammasome activation by bacteria. <i>Journal of Biological Chemistry</i> , 2010 , 285, 10508-18	5.4	80
15	The inflammasome, autoinflammatory diseases, and gout. <i>Joint Bone Spine</i> , 2007 , 74, 571-6	2.9	65
14	Inflammatory role of ASC in antigen-induced arthritis is independent of caspase-1, NALP-3, and IPAF. <i>Journal of Immunology</i> , 2009 , 183, 4003-12	5.3	63
13	Noncleavable poly(ADP-ribose) polymerase-1 regulates the inflammation response in mice. <i>Journal of Clinical Investigation</i> , 2004 , 114, 1072-81	15.9	38
12	Antiviral antibodies target adenovirus to phagolysosomes and amplify the innate immune response. <i>Journal of Immunology</i> , 2009 , 182, 7058-68	5.3	37
11	The glucocorticoid-induced leucine zipper (gilz/Tsc22d3-2) gene locus plays a crucial role in male fertility. <i>Molecular Endocrinology</i> , 2012 , 26, 1000-13		32
10	The multifaceted roles of inflammasome proteins in cancer. <i>Current Opinion in Oncology</i> , 2017 , 29, 35-40.2	4.2	24
9	LAMTOR1 depletion induces p53-dependent apoptosis via aberrant lysosomal activation. <i>Cell Death and Disease</i> , 2012 , 3, e300	9.8	20
8	Pdro, a protein associated with late endosomes and lysosomes and implicated in cellular cholesterol homeostasis. <i>PLoS ONE</i> , 2010 , 5, e10977	3.7	16
7	NLRP3 phosphorylation in its LRR domain critically regulates inflammasome assembly. <i>Nature Communications</i> , 2021 , 12, 5862	17.4	11
6	Inflammasome Deletion Promotes Anti-tumor NK Cell Function in an IL-1/IL-18 Independent Way in Murine Invasive Breast Cancer. <i>Frontiers in Oncology</i> , 2020 , 10, 1683	5.3	5
5	Abstract 2038: A novel role for the NLRP3 inflammasome in lung cancer 2015 ,		3
4	Assessing Caspase-1 Activation. <i>Methods in Molecular Biology</i> , 2016 , 1417, 197-206	1.4	3
3	NLRP3 controls ATM activation in response to DNA damage		1
2	Molecular Definition of Inflammasomes 2011 , 1-16		
1	L'inflammasome, les maladies auto-inflammatoires et la goutte. <i>Revue Du Rhumatisme (Edition Francaise)</i> , 2007 , 74, 1240-1246	0.1	

